Partial Publication List for PrimateScan

June 2026
Clever Sys Inc

Bai R, Guo W, Zhang T ...Single-cut gene therapy in a one-step generated rhesus monkey model of Duchenne muscular dystrophy. Cell Reports Medicine, 2025; 6

Hanyang Yu, Yunxia Leng, xingwu zhong; Effects of Small Incision Lenticule Extraction-Induced Anisometropia Defocus on Emmetropization and Motor Behaviors of Infant Rhesus Monkeys. Invest. Ophthalmol. Vis. Sci. 2025;66(8):4579.

Li L, Zhang Z, Liu X, Zhou M, Wen S, Dai J. TAK-653 Reverses Core Depressive Symptoms in Chronic Stress-Induced Monkey Model. Biomedicines. 2025; 13(6):1389. https://doi.org/10.3390/biomedicines13061389

Yang J, Man W, Yang K, Cao Z, Ma C, Kim K, Meng Z, Liu Y, Ying Y, Zhang J, Wang Z, Lu Y, Zhang X, Wang G, Wang X. Preclinical evaluation of aligned fibrin nanofibre hydrogels in a non-human primate model of spinal cord injury: A pilot study. Biomater Transl. 2025 Sep 22;6(3):334-344. doi: 10.12336/bmt.24.00079. PMID: 41189692; PMCID: PMC12582039.

Ren S, Fu X, Guo W .Profound cellular defects attribute to muscular pathogenesis in the rhesus monkey model of Duchenne muscular dystrophy. **Cell**, 2024; 187, 6669-6686.e16

Liu S, Yang N, Yan Y ...An accelerated Parkinson's disease monkey model using AAV-α-synuclein plus poly(ADP-ribose). Cell Reports Methods, 2024; 4

Lizhu Xu, Dan Wang, Lu Zhao, Zhengsheng Yang, Xu Liu, Xinyue Li, Tingli Yuan, Ye Wang, Tianzhuang Huang, Ning Bian, Yuqun He, Xinglong Chen, Baohong Tian, Zexian Liu, Fucheng Luo, Wei Si, Guangping Gao, Weizhi Ji, Yuyu Niu, Jingkuan Wei. C9orf72 poly(PR) aggregation in nucleus induces ALS/FTD-related neurodegeneration in cynomolgus monkeys. Neurobiology of Disease, Volume 184, 2023, 106197, ISSN 0969-9961, https://doi.org/10.1016/j.nbd.2023.106197.

Xue Gan, Jiahan Ren, Tianzhuang Huang, Kunhua Wu, Shulin Li, Yanchao Duan, Zhengbo Wang, Wei Si, Jingkuan Wei. Pathological α-synuclein accumulation, CSF metabolites changes and brain microstructures in cynomolgus monkeys treated with 6-hydroxydopamine. NeuroToxicology, Volume 94, 2023, Pages 172-181, ISSN 0161-813X, https://doi.org/10.1016/j.neuro.2022.12.001.

Y. Zhang, W. Li, C. Liang and F. Yue, "Automated Analysis of Behavioral Phenotypes Correlating with the Severities of Parkinsonian Cynomolgus Monkey," 2023 17th International Conference on Complex Medical Engineering (CME), Suzhou, China, 2023, pp. 143-148, doi: 10.1109/CME60059.2023.10565490.

Li, J., Li, N., Wei, J. et al. Genetically engineered mesenchymal stem cells with dopamine synthesis for Parkinson ' s disease in animal models. npj Parkinsons Dis. 8, 175 (2022). https://doi.org/10.1038/s41531-022-00440-6

Wang, J., Zhu, P., Pan, X., Yang, J., Wang, S., Wang, W., Li, B., Zhu, Z., Tang, T., Chen, D., Gao, M., & Zhou, Z. (2022). Correlation between motor behavior and age-related intervertebral disc degeneration in cynomolgus monkeys. JOR Spine, 5(1), e1183. https://doi.org/10.1002/jsp2.1183

Fang Wang, Weiqi Zhang, Qiaoyan Yang, Yu Kang, Yanling Fan, Jingkuan Wei, Zunpeng Liu, Shaoxing Dai, Hao Li, Zifan Li, Lizhu Xu, Chu Chu, Jing Qu, Chenyang Si, Weizhi Ji, Guang-Hui Liu, Chengzu Long, Yuyu Niu, Generation of a Hutchinson – Gilford progeria syndrome monkey model by base editing, Protein & Cell, Volume 11, Issue 11, November 2020, Pages 809–824, https://doi.org/10.1007/s13238-020-00740-8

nature Kikuchi, T., Morizane, A., Doi, D. et al. Human iPS cell-derived dopaminergic neurons function in a primate Parkinson ' s disease model. **Nature** 548, 592 – 596 (2017). https://doi.org/10.1038/nature23664

Libey T and Fetz EE (2017) Open-Source, Low Cost, Free-Behavior Monitoring, and Reward System for Neuroscience Research in Non-human Primates. Front. Neurosci. 11:265. doi: 10.3389/fnins.2017.00265

Zhang Y, Fan F, Zeng G, Zhou L, Zhang Y, Zhang J, Jiao H, Zhang T, Su D, Yang C, Wang X, Xiao K, Li H, Zhong Z. Temporal analysis of blood-brain barrier disruption and cerebrospinal fluid matrix metalloproteinases in rhesus monkeys subjected to transient ischemic stroke. J Cereb Blood Flow Metab. 2017 Aug;37(8):2963-2974. doi: 10.1177/0271678X16680221. Epub 2016 Jan 1. PMID: 27885100; PMCID: PMC5536803.